
Modernization Execution

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CNO Avail:

That period of time when the Navy sets a ship aside to perform necessary maintenance and modernization. Duration 9 - 52 weeks. Ship has no operational requirements

RAV:

An availability period where repair or modernization activities are “Restricted” to one or two major projects. RAVs typically run 2-4 weeks.

RFS Tether:

May be 48 - 72 - 96 hours to allow needed system to be CASREP'd to restore or install another item. Benefit justifies the temporary degrade in readiness.

When to do modernization?

- Inside CNO avail SRA, DSRA
- Outside CNO avail RAV, PRAV

Who should perform the work?

- Depot for Industrial Trade Skills
- AIT for focused Technical Skills

- **SPM advocates a Depot perform the industrial support “Shipwork” for fleet modernization**
 - **During CNO availabilities**
 - **PARM provides a Statement of Work (SOW) at A-4.5 (MS/MO provides labor IAW negotiated rates)**
 - **Outside CNO avails a Depot modernization period (RAV) the Class MSMO Shipyard will provide**
 - **Continuous maintenance (CM) support, and**
 - **Make available the necessary trades for industrial support for Fleet & Program alteration installs**

- **Hybrid install is emerging as the best model when the change is invasive**
 - **MSMO contractor provides required trades to perform industrial support for change (welding/hotwork, cranes, cable pulling, repairing disturbed tile, lagging, paint)**
 - **AIT Team provides oversight, critical alignment expertise, connectorization, light-off system checkout, crew training**

- **Complete 2-3 installations stateside prior to installing in a surface ship homeported overseas**
- **Use NSRF Yokosuka/Sasebo or Japanese private shipyards for industrial support**
 - **Send your best AIT Team Leader to supervise**
 - **Provide all material (less HAZMAT) by A-30**

Problem:

- Fleet surge requirements may change

SRA dates

Solution:

- SPM reschedules program alterations

- TYCOM reschedules Fleet alterations

- **Surge requirements are a major disturbance and may move availability dates +/- 6 months**
 - **SPM and PARM must communicate**
 - **PARM adjusts to the new dates**
 - **Install in new SRA dates**
 - **Install outside new SRA dates [AIPS/Gaits]**